



## OUR PRODUCTS

### PM#6 Modernization for Metsä Tissue ZP Krapkowice - Poland

We would like to announce that on 8th November 2003 the final guarantee protocol considering PM#6 rebuild was signed. The document confirms that all guarantee indexes specified in the contract have been gained. The main aim of the project was to increase capacity of the 3.24 –m wide PM by 2000 tonnes/yr to 17000 tonnes/yr, thanks to a top speed increase from 725 mpm to 1000 mpm. During the 72 - hour guarantee test, the twenty-four-hour gross efficiency came to 67 856 kg which means the result over 11% better than specified in the contract. All systems and devices performed properly and met customer's expectations.

The modernization included all important elements of PM technological system as well as group of devices such as:

- modification of stock approach system including silo shape correction
- modification of existing vacuum system
- new steam & condensate system
- new hall ventilation system
- modification of electrical drive system
- new Yankee dryer erection
- press part modification
- reel rebuild including the new tail threading system
- new central lubrication system
- new control system including DCS as well as new system visualization

All supplies, erection, staff training and start-up were complete according to the schedule.

The erection began on 21st September 2003 and continued till 6th October 2003. The same day the start-up of individual systems as well as the first Yankee cylinder heating was carried out. On 7th October 2003 at 11.00 p.m. paper on reel appeared.

It must be emphasized that all PMPoland's sub-suppliers were excellently prepared to provide their services and to fulfill short and tensed terms. PMP Fast Service was very professional especially at the time of providing the complicated exchange of the Yankee cylinder. Interprojekt company from Lodz designed and supervised the stock approach system modification, new steam & condensate system and new hall ventilation system installation. The Almat company from Krapkowice successfully installed all control circuits as well as DCS system. Kontech company from Lodz



Successful start-up - Paper on reel

faultlessly designed, manufactured and put in motion the electrical drive system. Mekro company from Swiecie professionally and on time manufactured and installed stock and vacuum pipelines. PMP project management and based on partnership co-operation between all suppliers and the customer was the main reason to succeed and achieve intended goals.

Our well-organized project management and professionalism has been noticed by our customer and expressed in the thankful letter sent to our President of the Managing Board Zbigniew Manugiewicz.

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#### Technical Data:

Grade:	Tissue
Basis Weights:	16 ÷ 32 gsm
Reel Trim:	3240 mm
Operation Speed:	1000 mpm

